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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,321	11/10/2003	Charles Douglas MacPherson	UC0304USNA	4468
23906 7590 07/10/2007 E I DU PONT DE NEMOURS AND COMPANY LEGAL PATENT RECORDS CENTER			EXAMINER	
			TALBOT, BRIAN K	
2.11.	BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE		ART UNIT	PAPER NUMBER
WILMINGTON, DE 19805			1762	
			MAIL DATE	DELIVERY MODE
•			07/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/705,321	MACPHERSON ET AL.			
Office Action Summary	Examiner	Art Unit			
	Brian K. Talbot	1762			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
	Responsive to communication(s) filed on <u>26 April 2007</u> .				
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3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application.					
4a) Of the above claim(s) <u>16-32</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-15</u> is/are rejected.					
7) Claim(s) is/are objected to.	election requirement				
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner.					
10)⊠ The drawing(s) filed on <u>10 November 2003</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
•					
Attachment(s)					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>See Continuation Sheet</u> .	5) Notice of Informal F 6) Other:	Patent Application			

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :3/4/04;4/13/05;7/27/05;8/3/05;8/4/05.

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1. Applicant's election of Group I, claims 1-15, in the reply filed on 4/26/07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Hence, non-elected claims 16-32 should be canceled in response to this Office Action.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claims directed toward a process for incorporating a guest material into an organic layer remain. No product claims remain.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 7 and 13 are rejected under 35 U.S.C. 112, first paragraph, as based on a disclosure which is not enabling. The migration of the second guest material into the second portion of the organic layer is critical or essential to the practice of the invention, but not

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included in the claim(s) is not enabled by the disclosure. See In re Mayhew, 527 F.2d 1229, 188

USPQ 356 (CCPA 1976).

The following is a quotation of the second paragraph of 35 U.S.C. 112: 4.

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 10, the term "a precision deposition technique" is vague and indefinite as to what is meant by precision. In addition, the Examiner questions that the specification is enabled for "all possible precision techniques" capable of performing the coating. The Examiner suggests reciting the "technique" so as to avoid the rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the 5. basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-5,7,8 and 11-14 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Tang et al. (6,048,573).

Tang et al. (6,048,573) teaches a method of making an organic light emitting device in which a dopant layer is formed adjacent to a light emitting host layer. The dopant is diffused from the dopant layer into the light emitting host material by exposure of a vapor of fluid or fluid mixture. Multiple dopants can be used (abstract and col. 2, lines 13-42). Tang et al. (6,048,573) teaches that the dopant layer can be applied first to a substrate then the organic light emitting layer be applied to the dopant layer and diffusing the dopant into the organic light emitting layer (col. 2, lines 43-54). Looking at Fig. 3B-3C, the dopant layer (313) is applied to the organic emitting layer (314) and afterwards the uniform diffusion of the dopant (313) into the organic emitting layer (314) and no residue of the dopant in the dopant (313) as all of the dopant (313) is diffused therein (col. 6, line 25-line 67).

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 6,9,10 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tang et al. (6,048,573) in combination with Applicant's admitted state of the art (specification, pgs. 1-4).

Tang et al. (6,048,573) fails to teach the incorporation of a well structure in addition to "selective" areas of diffusion of the guest material.

Applicant's admitted state of the art (specification, pgs. 1-4) teaches selective diffusion of guest material into the host organic material as well as teaching the use of well structures to aid in the "selective" diffusion of the guest materials.

Therefore it would have been obvious for one skilled in the art at the time the invention was made to have modified Tang et al. (6,048,573) process by incorporating selective deposition with well structures as evidenced by Applicant's admitted state of the art (specification, pgs. 1-4) with the expectation of achieving similar success.

Furthermore, while the Examiner acknowledges the fact that Tang et al. (6,048,573) teaches forming the guest material in the entire organic layer whereas the instant claims recite forming the guest material in "selected" areas, it is the Examiner's position that it would have been a matter of design choice of the practitioner in the art depending upon the desired end product to have diffused the guest material in a pattern or in a blanket layer.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian K. Talbot whose telephone number is (571) 272-1428. The examiner can normally be reached on Monday-Friday 8AM-4PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian K Talbot Primary Examiner Art Unit 1762

BKT